

REMARKS

As a preliminary matter, Applicants appreciate the Examiner's acknowledgement of allowable subject matter contained in claims 2, 4, 6, 7, 9, 11, 13, 14, 16, 19, 21, 23, and 24. These claims are now written in independent form, and are therefore considered allowable. As a further preliminary matter, Applicants request acknowledgement that "All" certified copies of the priority documents have been received.

Claims 1, 5, 8, 12, 15, 17-18, and 22 stand rejected under 35 U.S.C. 102(e) as being anticipated by Kim (U.S. Patent No. 6,665,138). Applicants traverse the rejection, as applied to amended claim 1, because the cited reference does not disclose (or suggest) a data recording unit which inserts a predetermined specific code train into at least one or more portions of user data.

The Examiner cites Kim as disclosing a data recording unit which inserts a predetermined specific code train into at least two or more portions including head and last portions of data. The data reproducing unit executes a clock extraction and an amplitude correction using a signal corresponding to a specific code train upon data reproduction. However, FIG. 1C of Kim merely discloses an ordinary sector format including a preamble and a postamble before and after the user data in the data sector, and is a clock extraction process based on an ordinary preamble.

In contrast, the present invention has one or more special patterns provided into the user data in the data sector. Accordingly, a more accurate correction of the phase,

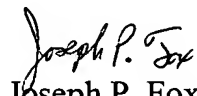
frequency, and the amplitude can occur. Kim fails to disclose this feature, or provide this advantage. For this reason, withdrawal of the §102 rejection is respectfully requested.

Claims 3, 10 and 20 stand rejected under 35 U.S.C. 103(a) as being obvious over Kim in view of Applicants' Admitted Prior Art (AAPA). Applicants traverse the rejection for the reasons recited above with respect to the §102 rejection of claims 1, 5, 8, 12, 15, 17-18, and 22 based on Kim. More specifically, the combination fails to disclose or suggest inserting predetermined specific code train into user data, or teach more accurate correction of phase, frequency, and amplitude. Further, AAPA does not disclose or suggest this feature either. For these reasons, withdrawal of the §103 rejection is respectfully requested.

For all of the foregoing reasons, Applicants submit that this Application is in condition for allowance, which is respectfully requested. The Examiner is invited to contact the undersigned attorney if an interview would expedite prosecution.

Respectfully submitted,

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